

JAN 27 1971

FEFLY TO 71-3967-13

MEMORANDUM TO: See List Below

FROM : FM/Mission Planning and Analysis Division

SUBJECT : Change for RYCC offline formulation for Apollo 14:

 Reference: MSC Internal Note No. 69-79-326, "RNC Offline Requirements for H-2: Star-Horizon Observation Processor," 790/ P. Flanagan and 750/R. Kidd, Pebruary 24, 1970.

The reference internal note should be updated as defined in the attached change sheet, and the ROU offline star horizon observation processor should be altered accordingly for Appllo 19, The equation for the terminator visibility check is currently incorrectly defined.

> Emil R. Schiesser Assistant Chief Mathematical Physics Branch

The Flight Software Branch concurs with the above recommendation and requests IBM to recognize a coordinaly.

Jarry J. Dunga for James C. Johokes, Jr. Chief Flight Software Branch

Chief, Mission Planning and Analysis Division

APPROVED ET:

Attachment

Distribution; (See attached list)

FM4:JBlucker:fdb

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NEW EXECUTE CONTROL

OUT STORM

10.45 37

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FC5/M. G. Kenmedy NM/J. B. MacLeod CHANGE SHEET

MSC INTERNAL MOTE 69-FM-326 DATED FEBRUARY 24, 1970 RTCC OFFLINE REQUIREMENTS FOR H-21

STAR-HORIZON OBSERVATION PROCESSOR By Paul Flanagen, MPB, and

Robert Kidd, TRW Systems Group

Change 3 By T. J. Blucker, MSC

February 1, 1971

Matehnatical Physics Branch Mission Planning and Analysis

Division

Page 1 of 1

After the following ren-and-ink change has been made, place this CHANCE SHEET between the cover and title page and write on the cover, "CHANGE 3 inserted",

Pen-and-ink change on page lia: Add k within the terminator visibility check. The new check should read

 $D_2^2 = 4(D_1D_2) < 0$ 

## CHANGE EXPENSE FOR 69-FM-3

1 8/13/70 Beginne pees 13, [h]: Elizinted one organization and additions or organization and additions one organization and additions one organization and additional		
on page 14s.  2 0/1/T1 Per-and-ink change for terminator angle	8/13/70	original parameters and added some new parameters. Expanded original pages to include additional discussion. Replace pages 21, 22: Flow charts added to Astine new computation logic for param-
3 2/1/T1 Pen-and-ink change for terminator angle check on page lie.	12/3/70	Pen-and-ink change for equation defining D. on page 1%s.
	2/1/71	Pen-and-ink change for terminator angle check on page lis.
		12/3/70

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